

Human IL-15 ELISA Kit | IL15 elisa kit

Human IL-15 PicoKine ELISA Kit

CATALOG #
AAA45328

REACTIVITY
Human

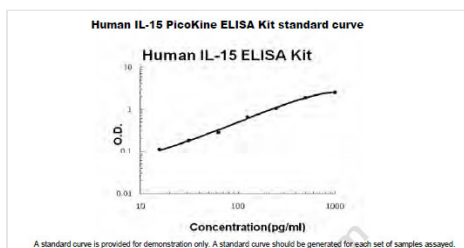
PRODUCT SYNONYMS

IL-15; Human IL-15 PicoKine ELISA Kit; Interleukin-15; interleukin 15; IL 15; Interleukin 15; Interleukin15; MGC9721; IL15 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Natural and recombinant Human IL15
Sequence Length	162
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, edta)
Detection Range	15.6pg/ml-1000pg/ml
Sensitivity	<3pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for IL15 elisa kit

Principle of the Assay: The Picokine™ Human IL15 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Human IL15 with a 96-well strip plate that is pre-coated with antibody specific for IL15. The detection antibody is a biotinylated antibody specific for IL15. The capture antibody is monoclonal antibody from mouse, the detection antibody is polyclonal antibody from goat. The kit contains recombinant Human IL15 with immunogen: Expression system for standard: E.coli; Immunogen sequence: N49-S162. The kit is analytically validated with ready-to-use reagents. To measure Human IL15, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The density of the yellow product is linearly proportional to Human IL15 in the sample. Read the density of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human IL15 in the sample.

Background/Introduction: Interleukin (IL)-15 is a cytokine with the ability to stimulate the proliferation activity of Th1 and/or Th2 lymphocytes. IL-15 is a novel cytokine whose effects on T-cell activation and proliferation are similar to those of interleukin-2 (IL-2), presumably because IL-15 utilizes the beta and gamma chains of the IL-2 receptor. IL-15 can play a role in the initiation and outcome of acute and chronic rejection. Anti-IL-15 therapy in combination with classic immunosuppression therapy might thus be beneficial in the prevention of acute, and especially chronic, allograft rejection. The human IL15 gene is mapped to human chromosome 4q31 by fluorescence in situ hybridization.¹ The standard product used in this kit is recombinant human IL-15, consisting of 114 amino acids with the molecular mass of 12.9KDa.

NCBI AND UNIPROT INFORMATION

NCBI GI #	729830
NCBI GeneID	3600
UniProt Accession #	P40933; O00440; O43512; Q495Z8; Q6FGX7; Q93058; Q9UBA3; D3DNZ2
Molecular Weight	14,912 Da
NCBI Official Full Name	Interleukin-15
NCBI Official Synonym Full Names	interleukin 15
NCBI Official Symbol	IL15
NCBI Official Synonym Symbols	IL-15
NCBI Protein Information	interleukin-15
UniProt Protein Name	Interleukin-15
UniProt Gene Name	IL15
UniProt Synonym Gene Names	IL-15
UniProt Entry Name	IL15_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/il15-human-elisa-kits/il-15/45328>